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(71) Applicant: BASF CORPORATION [US/US]; 3000 Continental Drive-North, Mount Olive, NY 07828-1234 (US).

(72) Inventors: WHITMORE, Darryl, L.: 646 Willow Bend Drive, Chesapeake (US). ENGELHARDT, Friedrich; Hünfelderstrasse 20, 60386 Frankfurt (DE).

(54) Title: ABSORBENT ARTICLE

(57) Abstract: Absorbent articles and processes for making absorbent articles are provided. The process includes spraying onto a fibrous web a blend containing superabsorbent polymer particles, superabsorbent forming monomer, initiator and water, and subjecting the web to polymerization conditions. The resulting web is useful as an absorbent article particularly in disposable hygiene products.

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A. CLASSIFICATION OF SUBJECT MATTER D06M23/06 D06M15/263 IPC 7 A61L15/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 D06M A61L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication. Where appropriate, of the relevant passages Relevant to claim No. EP 0 290 814 A (MITSUBISHI PETROCHEMICAL 1 - 4CO : UNI CHARM CORP (JP)) 17 November 1988 (1988-11-17) claims US 4 748 076 A (SAOTOME KAZUO) 1-5,7,1631 May 1988 (1988-05-31) the whole document EP 0 454 497 A (NIPPON CATALYTIC CHEM IND) 1-4 30 October 1991 (1991-10-30) page 3, line 34 - line 39; claims US 5 352 480 A (HANSEN MICHAEL R ET AL) 5 4 October 1994 (1994-10-04) abstract Further documents are listed in the continuation of box C. Patent family members are tisted in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the lart which is not cited to understand the principle or theory underlying the considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cried to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other, such docu-\*O\* document reterming to an oral disclosure, use, exhibition or other means ments, such combination being obvious to a person skilled in the art. \*P\* document published prior to the international filling date but \*&\* document member of the same patent family later than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 06/08/2001 25 July 2001 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040. Tx. 31 651 epo ni. Blas, V Fax: (+31-70) 340-3016

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